



Approval #

990068-U

Safety & Buildings Division  
201 West Washington Avenue  
P.O. Box 2658  
Madison, WI 53701-2658

## Wisconsin Material Approval

Material

Cylindrical and Rectangular Secondary Containment Aboveground Fuel Tanks

Manufacturer

Kennedy Tank & Manufacturing Company, Inc.  
833 East Sumner Avenue  
Indianapolis, IN 46227

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### SCOPE OF EVALUATION

The secondary containment aboveground fuel tanks manufactured by Kennedy Tank & Manufacturing Company, Inc. have been evaluated for conformance with **s. Comm 10.415 (7) (b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

### DESCRIPTION AND USE

These tanks are aboveground double wall steel fuel tanks. They are available in cylindrical or rectangular and vertical or horizontal configurations with capacities up to 50,000 gallons. They are fabricated in accordance with the UL 142 standard and the STI F921 specification.

### TESTS AND RESULTS

The inner tank and secondary containment are tested and listed by UL in accordance with standard UL 142. The skid and saddle designs have UL approval.

### LIMITATIONS OF APPROVAL

The secondary containment aboveground fuel tanks are approved for compliance with the secondary containment requirements of **s. Comm 10.415 (7) (b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. Comm 10.33**.

Tanks up to 10, 000 gallons may be used for vehicle fueling in accordance with **s. Comm 10.415**.

All tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16-inch. This is deemed sufficient to meet the projectile protection requirement of **s. Comm 10.415 (7)(b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **chapter Comm 10** and **NFPA 30** and **31** standards.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. Comm 10.415 (12) (a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. Comm 10.415 (8) (a)**.

No attachments shall be made to the tank which violate or void the UL listing.

The horizontal tank shall be installed to allow full visual inspection of the secondary containment system.

The vertical tank shall have the bottom sandblasted and coated with a corrosion resistant paint such as an STI-P3 coating. The tank shall be placed on a concrete or similarly impervious pad with an area large enough to fully support the entire tank bottom. Vacuum tightness testing of the interstitial space shall be conducted by the owner in accordance with manufacturer's instructions at least annually after the tank is ten years old.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

The installer shall be certified by the department in accordance with **Ch. Comm 5**.

This approval will be valid through December 31, 2004, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: \_\_\_\_\_

Approval Date: \_\_\_\_\_ By: \_\_\_\_\_

Duane Hubeler, P.E.

Code Consultant

Program Development Bureau

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